

Nectin-1/PVRL1 Recombinant monoclonal antibody

Catalog Number: 88101-1-RR

Basic Information

Catalog Number:

88101-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1707

GenBank Accession Number:

NM_002855.5

GeneID (NCBI):

5818

UNIPROT ID:

Q15223-1

Full Name:poliovirus receptor-related 1
(herpesvirus entry mediator C)**Calculated MW:**

57 kDa

Observed MW:

90 kDa, 57 kDa

Purification Method:

Protein A purification

CloneNo.:

260037D11

Recommended Dilutions:

WB: 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, rat

Positive Controls:WB: rat brain tissue, rat cerebellum tissue, fetal
human brain tissue

Background Information

Nectins are a family of immunoglobulin-like cell adhesion molecules comprising four members, nectin-1 to nectin-4, each consisting of an extracellular region with three immunoglobulin-like loops, a single transmembrane domain and a cytoplasmic domain (PMID: 12901789, 18703497). Nectins are involved in cell adhesion, migration, polarization, morphogenesis, proliferation, differentiation, and survival. Nectin-1, also known as PVRL1, HVEC and CD111, is widely expressed in a variety of cell types including epithelial cells, neurons, and fibroblasts (PMID: 12901789). It promotes cell-cell contacts by forming homophilic or heterophilic trans-dimers. Nectin-1 acts as a receptor for several alphaherpesviruses, including herpes simplex viruses (HSV) 1 and 2, porcine pseudorabies virus (PRV), and bovine herpesvirus 1 (BHV-1) (PMID: 9616127). Nectin-1 is a glycoprotein, the glycosylated form has a larger apparent molecular weight than the calculated molecular weight of 57 kDa (PMID: 12376527; 15731277).

Storage

Storage:

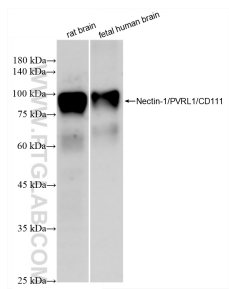
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

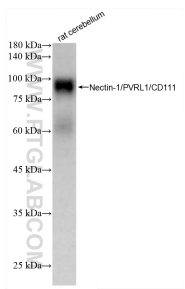
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88101-1-RR (Nectin-1/PVRL1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



rat cerebellum tissue were subjected to SDS PAGE followed by western blot with 88101-1-RR (Nectin-1/PVRL1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.